# G 418 DISULFATE

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: G 418 DISULFATE
Product Code: 3341
CAS#: 108321-42-2
Synonym: Geneticin
Chemical Name: Not available
Chemical Formula: $C_{20}H_{40}N_4O_{10}$
Formula weight: 692.70

## SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:
Name: G 418 DISULFATE
Toxicological Data on Ingredients: Resp. Sens. 1; Skin Sens. 1; H334, H317

## SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture according to Regulation (EC) No 1272/2008
Respiratory sensitization (Category 1), H334
Skin sensitization (Category 1), H317
Potential Acute Health Effects: Not available
Potential Chronic Health Effects : Not available
Carcinogenic Effects: Not available
Mutagenic Effects: Not available.
Teratogenic Effects: Not available.
Developmental Toxicity: Not Available
Specific target organ toxicity - Not available

## SECTION 4: FIRST AID MEASURES

Description of first aid measures
General advice Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled If breathed in: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delay: No data available
Indication of any immediate medical attention and special treatment needed: No data available

## SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media
Suitable extinguishing media :
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture
Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides

Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides
Not combustible.
Ambient fire may liberate hazardous vapours.
Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
Environmental precautions Do not let product enter drains.
Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling : Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.
Conditions for safe storage, including any incompatibilities
Tightly closed. Keep locked up or in an area accessible only to qualified or authorized
Persons.
Recommended storage temperature 2 - 8 °C
Storage Class:
Storage class (TRGS 510): 12: Non Combustible Liquids
Specific end use(s) A part from the uses:
No other specific uses are stipulated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls
Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance Form | : Powder |
| Colour | : Not available |
| Odour | : Not available |
| Odour Threshold | : Not available |
| pH | : Not available |

| | |
|---|---|
| Melting point/freezing point | : Not available |
| Initial boiling point and boiling range | : Not available |
| Flash point | : Not available |
| Evapouration rate | : Not available |
| Flammability (solid, gas) | : Not available |
| Upper/lower flammability or explosive limits | : Not available |
| Vapour pressure | : Not available |
| Vapour density | : Not available |
| Relative density | : Not available |
| Water solubility | : Not available |
| Partition coefficient | : Not available |
| Auto-ignition temperature | : Not available |

## SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity:Not available.
Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions Not available
Conditions to avoid : Heat, flames and sparks.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products Other decomposition products - In the event of fire

## SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute Toxicity: Not Available.
Skin corrosion/irritation : Not Available.
Serious eye damage/eye irritation : Not Available.
Respiratory or skin sensitization Not Available.
Carcinogenicity no data available

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not Available.
Persistence and degradability: Not Available.
Bioaccumulative potential :Not available
Mobility in soil : Not Available.
Results of PBT and vPvB assessment PBT/vPvB assessment Not available
Other adverse affects no data available

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

UN number:
ADR/RID: IMDG: IATA:

UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
Transport hazard class(es):
ADR/RID: IMDG: IATA:
Packaging group:
ADR/RID: IMDG: IATA:
Environmental hazards:
ADR/RID: No IMDG Marine pollutant: No IATA: No

## SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations
Take note of Dir 94/33/EC on the protection of young people at work.

## SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.
Not available
Special Considerations: Not available

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